FORM I	PTO-139	90 (Modified) U.S. PATENT AND TRADEM	MARK OFFICE; U.S. DEPARTMENT OF COMMERCE	ATTORNEY'S DOCKET NUMBER					
(TI	RANSMITTAL LETTER	34761/US/2						
		DESIGNATED/ELECT!	ED OFFICE (DO/EO/US)	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)					
	СО		SION UNDER 35 U.S.C. 371	Not Yet Assigned 0/506594					
INTE		TIONAL APPLICATION NO. PCT/CA03/00292	INTERNATIONAL FILING DATE March 3, 2003	PRIORITY DATE CLAIMED March 4, 2002					
	e of n	NVENTION	UCING METAL FOAM AND SYSTI						
		T(S) FOR DO/EO/US							
S	cott l	Nichol and Richard G. Manle	\mathbf{y}						
Appli	cant h	nerewith submits to the United Sta	ates Designated/Elected Office (DO/EO/US)	the following items and other information:					
1.	\boxtimes	This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.							
2.		This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.							
3.		This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.							
4.	\boxtimes	The US has been elected (Article 31).							
5.	\boxtimes	A copy of the International App!	lication as filed (35 U.S.C. 371 (c) (2))						
		a. 🛛 is attached hereto (requ	aired only if not communicated by the Intern	national Bureau).					
		b. has been communicated	d by the International Bureau.						
		c. \square is not required, as the a	application was filed in the United States Rec	ceiving Office (RO/US).					
6.			of the International Application as filed (35	U.S.C. 371(c)(2)).					
		a. is attached hereto.							
			bmitted under 35 U.S.C. 154(d)(4).						
7.	\boxtimes		e International Application under PCT Articl						
		a. are attached hereto (required only if not communicated by the International Bureau).							
	,	b. have been communicated by the International Bureau.							
			owever, the time limit for making such amend	dments has NOT expired.					
8.		d. A have not been made and will not be made.							
8.° 9.		An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).							
9. 10.		An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). An English language translation of the annexes to the International Preliminary Examination Report under PCT							
10.		Article 36 (35 U.S.C. 371 (c)(5)).							
11.		A copy of the International Preliminary Examination Report (PCT/IPEA/409).							
12.	\boxtimes	A copy of the International Search	ch Report (PCT/ISA/210).						
It	ems 1	13 to 23 below concern document	(s) or information included:						
13.	\boxtimes	An Information Disclosure State	ement under 37 CFR 1.97 and 1.98.						
14.		An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.							
15.		A FIRST preliminary amendment.							
16.		A SECOND or SUBSEQUENT preliminary amendment.							
17.		A substitute specification.							
18.		A power of attorney and/or change of address letter.							
19. 20.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. A second copy of the published International Application under 35 U.S.C. 154(d)(4).							
21.		A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).							
22.	⊠								
23.		Other items or information:							

U.S. APPLICATION Not	Yet Assigned 37CFR91.12	INTERNATIONAL APPLICATI PCT/CA03/0029		ATTORNEY'S DOCKET NUMBER 34761/US/2							
	lowing fees are submitted:.				CALCULATION	S PTO USE ONLY					
☐ Neither inter	L FEE (37 CFR 1.492(a)(1)-(5); mational preliminary examination I search fee (37 CFR 1.445(a)(2)) ional Search Report not prepared										
USPTO but	l preliminary examination fee (37 International Search Report prepa										
but internati	l preliminary examination fee (37 onal search fee (37 CFR 1.445(a)										
but all claim	I preliminary examination fee (37 as did not satisfy provisions of PC										
☐ Internationa and all clain	l preliminary examination fee (37 ns satisfied provisions of PCT Art	\$100.00		1							
. 500), 10	ENTER APPROPRI	\$920.00									
months from the ear	00 for furnishing the oath or declar rliest claimed priority date (37 Cl	□ 30	\$0.00								
CLAIMS	NUMBER FILED	NUMBER EXTRA		\$18.00	\$0.00	T					
Total claims	11 - 20 = 3 - 3 =	0	x	\$86.00	\$0.00						
Independent claims Multiple Dependent	3 - 3 = t Claims (check if applicable).		x 380.00		\$0.00						
Waltiple Dependent		ABOVE CALCULAT	IOI	NS =	\$920.00						
☐ Applicant clair reduced by 1/2	ms small entity status. See 37 CFI	R 1.27. The fees indicated above	e are		\$0.00						
	# seven	SUB	TO	ΓAL =	\$920.00						
Processing fee of \$1 months from the ear	130.00 for furnishing the English cliest claimed priority date (37 CI	□ 30 +	\$0.00								
		TOTAL NATIONAL	L FI	EE =	\$920.00						
Fee for recording th accompanied by an	e enclosed assignment (37 CFR 1 appropriate cover sheet (37 CFR	.21(h)). The assignment must b 3.28, 3.31) (check if applicable	ре е).		\$0.00						
		\$920.00									
					Amount to be: refunded	\$					
4			,		charged	\$					
a. A check in the amount of to cover the above fees is enclosed. b. Please charge my Deposit Account No in the amount of to cover the above fees.											
	c. The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No04-1415										
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.											
NOTE: Where an 1.137(a) or (b)) mu	appropriate time limit under 37 set be filed and granted to restor	CFR 1.494 or 1.495 has not be the International Application	n to p	met, a petitio pending stati	on to revive (37 CFI us.	R					
SEND ALL CORRI	ESPONDENCE TO:	1.30	Shand	9							
Gary M. Polumbu Dorsey & Whitne	•		SIGNATURE								
•	uilding, Suite 4700		Ga	ry M. Polumbus							
370 Seventeenth S Denver, CO 8020			NA	ME							
Phone: (202) (40	2400		25,364								
Phone: (303) 629- Fax: (303) 629-34			RE	REGISTRATION NUMBER							
USPTO Customer			_	ptember _5	3,2004						
			אט	112							

DT15 Res'd FCT/PTO 0 3 SEP 2004

PATENT

Attorney Docket No.: 34761/US/2 Express Mail Label No.: EV 423773962 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Applicant

: Nichol et al.

Appln. No.

Not Yet Assigned

Filed

September 3, 2004

Title

SEALED IMPELLER FOR

PRODUCING METAL FOAM AND SYSTEM AND METHOD

THEREFOR

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

CERTIFICATE OF MAILING BY EXPRESS MAIL

MAIL STOP PCT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The undersigned hereby certifies that the following documents:

- 1. Transmittal Letter Concerning a Filing Under 35 U.S.C. 371 (2 pages);
- 2. Application Data Sheet (2 pages);
- Copy of PCT/CA03/00292 Published Application (19 pages);
- 4. Copy of International Search Report (6 pages);
- 5. Information Disclosure Statement (2 pages);
- 6. Form PTO-1449 (1 page);
- 7. Copy of One (1) Reference;
- 8. Unexecuted Declaration for Patent Application (3 pages);
- 9. Check in the Amount of \$920.00 for Filing Fee;
- 10. Recordation Cover Sheet for Assignment (1 page);
- 11. Assignment (2 pages);
- 12. Check in the Amount of \$40.00 for Recordation Fee;
- 13. Certificate of Mailing by Express Mail (1 page); and
- 14. Return Card

relating to the above application, were deposited as "Express Mail" under 37 CFR § 1.10, Mailing Label No. EV 423773962 US, with the United States Postal Service addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 3, 2004.

Mailer's Signature

Print Name: __

Dorsey & Whitney LLP

Tel: 303-629-3400 Fax: 303-629-3450